

River & Plateau Committee

Date: Tuesday, August 6, 2013

Time: 9:00 a.m. to 4:00 p.m.

Location: Richland Library Conference Rooms A/B, 955 Northgate Drive, Richland WA

Call-in: Conference Call Instructions:

- Tri-City participants: 376-3622, conference code **6534566#**
- Long distance participants: 1-877-401-5229, conference code **6534566#**

GoToMeeting: <https://www3.gotomeeting.com/join/390029886>; Meeting ID: 390-029-886

9:00 a.m. Opening – Pam Larsen, Chair

- Welcome and introductions
- Approval of the June committee meeting summary
- Announcements

9:15 a.m. 100-N Remedial Investigation and Feasibility Study (RI/FS) and Proposed Plan Draft A – Part 1, Presentation and Q&A

Purpose: To hear an overview of the 100-N RI/FS and Proposed Plan Draft A and ask questions in preparation for committee feedback via a round-robin activity.

- Introduction: Dale Engstrom (5 min)
- Agency Presentation: Mike Thompson and Mark French, DOE-RL¹ (45 min)
 - *What key issues does Draft A address?*
 - *What are the proposed remediation actions?*
 - *What is the expected performance of the apatite barrier?*
 - *How is petroleum bioremediation addressed in Draft A?*
- Regulator Perspectives: Nina Menard, Ecology² (15 min)
- Committee discussion

10:45 a.m. Break

11:00 a.m. 100-N RI/FS and Proposed Plan Draft A – Part 2, Round-Robin Activity

Purpose: To provide committee feedback on the 100-N RI/FS and Proposed Plan Draft A via a round-robin exercise.

¹ U.S. Department of Energy – Richland Operations Office

² Washington State Department of Ecology

Hanford Advisory Board

11:30 a.m. Committee Business – Part 1

- Discuss responses to advice and potential follow-up (if any) (15 min)
- Review updated proposed 2014 HAB Work Plan (if needed) (15 min)

12:00 p.m. Lunch

1:00 p.m. Groundwater Modeling Q&A

Purpose: To discuss and hear responses to the framing questions below regarding the impacts of Tank Closure and Waste Management Final Environmental Impact Statement (TC&WM EIS) groundwater modeling on future cleanup proposals.

- Introduction: Dale Engstrom (5 min)
- Agency Presentation: Mike Thompson, DOE-RL (20 min)
 - *How will DOE-RL use the TC&WM EIS groundwater model? Is it being used in CERCLA decision documents?*
 - *Does it complement other groundwater models being used at Hanford? What are the criteria for using a certain model?*
 - *Were the results of the EIS model used to develop or were they incorporated in cleanup levels (e.g. for the River Corridor decision documents?)*
 - *How does parameter selection in the EIS model eventually impact cleanup level selection at sites being cleaned up (e.g. 100 D/H)?*
 - *How is DOE verifying the models used to make cleanup decisions that will bring groundwater to highest beneficial use?*
 - *What is the policy-level component of this and what are the next steps for the committee?*
- Regulator Perspectives: Dib Goswami, Ecology (10 min)
- Committee discussion

2:00 p.m. Break

2:15 p.m. PNNL Deep Vadose Zone Technologies

Purpose: To learn more about the Deep Vadose Zone Applied Research Initiative; to explore geophysical and other technologies that will enable better vadose zone remediation.

- Introduction: Dale Engstrom (5 min)

Hanford Advisory Board

- Agency Presentation: Mark Freshley and Hope Lee, PNNL³; John Morse, DOE-RL (20 min)
 - *What new and established technologies are being considered and what kind of research is underway by DOE and PNNL?*
 - *What research is being done to characterize the vadose zone so flux and residence times can be estimated for contaminants?*
 - *What are the preliminary results of the perched water pumping test, desiccation test and technetium pumping test, and any other on-going vadose zone studies?*
 - *Are there vadose zone studies yet to be done?*
 - *What are the funding prospects for these technologies (e.g. integration between DOE and PNNL)?*
 - *What are the next steps for the committee? What are the policy level issues? What follow-up presentations would the committee like to see for areas of additional detail?*
- Committee discussion

3:15 p.m. Committee Business

- Review follow up items (5 min)
- Update the 3-Month Work Plan (20 min)
- Draft the September Potential Meeting Topics Table (20 min)

4:00 p.m. Adjourn

³ Pacific Northwest National Laboratory